

INFORMATION DISCLOSURE STATEMENT	Atty. Docket No.: 235.00440101	Serial No.: 10/008,355
	Applicants: James Travis et al.	Confirmation No.: 4382
	Filing Date: Nov. 8, 2001	Group: 1645
<i>OTPE</i> <i>AUG 02 2002</i> <i>PATENT</i> <i>MARK OFFICE</i> <i>BEST</i>	Information Disclosure Statement mailed: July <u>20</u> , 2002	

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	None					RECEIVED
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FOREIGN PATENT DOCUMENTS

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Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
SJS	WO 00/52147	09/08/00	PCT	C12N	15/57		

OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

Examiner Initial	Document Description
SJS	Altschul et al., "Gapped BLAST and PSO-BLAST: a new generation of protein database search programs," <i>Nucl. Acids Res.</i> , 1997; 25(17):3389-3402.
SJS	Ausubel ed. <i>Current Protocols in Molecular Biology</i> , John Wiley & Sons, Inc., 1994, Cover page, Title page, and Table of Contents only. (12 pgs.).
SJS	Awano et al., "Sequencing, expression and biochemical characterization of the <i>Porphyromonas gingivalis</i> pepO gene encoding a protein homologous to human endothelin-converting enzyme," <i>FEBS Letters</i> , 1999; 460:139-44.
SJS	Banbula et al., "Emerging Family of Proline-Specific Peptidases of <i>Porphyromonas gingivalis</i> : Purification and Characterization of Serine Dipeptidyl Peptidase, a Structural and Functional Homologue of Mammalian Prolyl Dipeptidyl Peptidase IV," <i>Infect. Immun.</i> , 2000 Mar.; 68(3):1176-82.
SJS	Banbula et al., "Prolyl Tripeptidyl Peptidase from <i>Porphyromonas gingivalis</i> ," <i>J. Biol. Chem.</i> , 1999 Apr. 2; 274(14):9246-52.
SJS	Banbula et al., " <i>Porphyromonas gingivalis</i> DPP-7 Represents a Novel Type of Dipeptidylpeptidase" <i>The Journal of Biological Chemistry</i> , 2001 March 2; 276(9):6299-6305.
SJS	Barrett et al., <i>Handbook of Proteolytic Enzymes</i> , 1998, Academic Press, London, Cover page, Publication page, and Table of Contents only. (13 pgs.).

EXAMINER <i>SJS</i>	Date Considered <i>10/16/02</i>
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Initial	Document Description
SJS	Beauvais et al., "Biochemical and Antigenic Characterization of a New Dipeptidyl-Peptidase Isolated from <i>Aspergillus fumigatus</i> ," <i>J. Biol. Chem.</i> , 1997 Mar. 7; 272(10):6238-44.
SJS	Berger et al., "Mapping the active site of papain with the aid of peptide substrates and inhibitors," <i>Phil. Trans. Roy. Soc. Lond. B.</i> , 1970; 257:249-64.
SJS	Birkedal-Hansen et al., "Characterization of collagenolytic activity from strains of <i>Bacteroides gingivalis</i> ," <i>J. Periodontal Res.</i> , 1988 July; 23(4):258-264.
SJS	Bourgeau et al., "Cloning, Expression, and Sequencing of a Protease Gene (<i>tpr</i>) from <i>Porphyromonas gingivalis</i> W83 in <i>Escherichia coli</i> ," <i>Infect. Immun.</i> , 1992 Aug.; 60(8):3186-92.
SJS	Brosius et al., "Gene Organization and Primary Structure of a Ribosomal RNA Operon from <i>Escherichia coli</i> ," <i>J. Mol. Biol.</i> , 1981; 148(16):107-127.
SJS	Carmona et al., "Nucleotide sequence of the serine protease gene of <i>Staphylococcus aureus</i> , strain V8," <i>Nucleic Acids Res.</i> , 1987; 15:6757.
SJS	Chen et al., "Purification and Characterization of a 50-kDa Cysteine Proteinase (Gingipain) from <i>Porphyromonas gingivalis</i> ," <i>J. Biol. Chem.</i> , 1992 Sept. 15; 267(26):18896-901.
SJS	Church et al., "Genomic sequencing," <i>Proc. Natl. Acad. Sci USA</i> , 1984 Apr.; 81:1991-1995.
SJS	Curtis et al., "Molecular genetics and nomenclature of proteases of <i>Porphyromonas gingivalis</i> ," <i>J. Periodontal Res.</i> , 1999; 34:464-72.
SJS	Ellis et al., "Dipeptidyl Arylamidase III of the Pituitary," <i>J. Biol. Chem.</i> , 1967 Oct. 25; 242(20):4623-29.
SJS	Kato et al., "Sequence Analysis and Characterization of the <i>Porphyromonas gingivalis</i> <i>prtC</i> Gene, Which Expresses a Novel Collagenase Activity," <i>J. Bacteriol.</i> , 1992 June; 174(12):3889-95.
SJS	Kiyama et al., "Sequence analysis of the <i>Porphyromonas gingivalis</i> dipeptidyl peptidase IV gene," <i>Biochim. Biophys. Acta.</i> , 1998; 1396:39-46.
SJS	Kornman, "Controlled-Release Local Delivery Antimicrobials in Periodontics: Prospects for the Future," <i>J. Periodontol.</i> , 1993 Aug.; 64(8):782-91.

EXAMINER <i>Swanson</i>	Date Considered <i>10/09/02</i>
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Examiner Initial	Document Description
<i>AS</i>	Kumagai et al., "Enzymatic Properties of Dipeptidyl Aminopeptidase IV Produced by the Periodontal Pathogen <i>Porphyromonas gingivalis</i> and Its Participation in Virulence," <i>Infect. Immun.</i> , 2000 Feb.; 68(2):716-24.
<i>AS</i>	Lawson et al., "Biochemical Characterization of <i>Porphyromonas (Bacteroides) gingivalis</i> Collagenase," <i>Infect. Immun.</i> , 1992 Apr.; 60(4):1524-29.
<i>AS</i>	Matsudaria et al., "Sequence from Picomole Quantities of Proteins Electroblotted onto Polyvinylidene Difluoride Membranes," <i>J. Biol. Chem.</i> , 1987 July 25; 262(21):10035-38.
<i>AS</i>	McGuire et al., "Purification and Characterization of Dipeptidyl Peptidase I from Human Spleen," <i>Arch. Biochem. Biophys.</i> , 1992 June; 295(2):280-88.
<i>AS</i>	"Microbial Genomes Blast Databases" [online]. National Center for Biotechnology Information, 2001 [retrieved on 2002-07-02]. Retrieved from the Internet: <URL: http://www.ncbi.nlm.nih.gov/Microb_blast/unfinishedgenome.html >. (4 pgs.).
<i>AS</i>	Nelson et al., "Purification and Characterization of a Novel Cysteine Proteinase (Periodontain) from <i>Porphyromonas gingivalis</i> ," <i>J. Biol. Chem.</i> , 1999 April 30; 274(18):12245-51.
<i>AS</i>	Ogasawara et al., "Two Types of Novel Dipeptidyl Aminopeptidases from <i>Pseudomonas</i> sp. Strain WO24," <i>J. Bacteriol.</i> , 1996 Nov.; 178(21):6288-95.
<i>AS</i>	Otogoto et al., "Isolation and Characterization of the <i>Porphyromonas gingivalis</i> <i>prtT</i> Gene, Coding for Protease Activity," <i>Infect. Immun.</i> , 1993 Jan.; 61(1):117-23.
<i>AS</i>	Pohl et al., "Assignment of the three disulfide bonds in ShK toxin: A potent potassium channel inhibitor from the sea anemone <i>Stichodactyla helianthus</i> ," <i>Lett. Peptide Sci.</i> , 1994; 1:291-97.
<i>AS</i>	Rosenfeld et al., "In-Gel Digestion of Proteins for Internal Sequence Analysis after One- or Two-Dimensional Gel Electrophoresis," <i>Anal. Biochem.</i> , 1992; 203:173-79.
<i>AS</i>	Sambrook et al., <i>Molecular Cloning: A Laboratory Manual</i> , Cold Spring Harbor Laboratory Press, 1989, Cover Page, Publication Page, and Table of Contents only. (30 pgs.).

EXAMINER <i>[Signature]</i>	Date Considered <i>[Handwritten date: 10/18/02]</i>
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Examiner TRADEMARK OFFICE	Document Description
<i>JS</i>	Schägger et al., "Tricine-Sodium Dodecyl Sulfate-Polyarylamide Gel Electrophoresis for the Separation of Proteins in the Range from 1 to 100 kDa," <i>Anal. Biochem.</i> , 1987; 166:368-79.
<i>JS</i>	TIGR: The Institute for Genomic Research, [online], [retrieved on 2002-07-02] Retrieved from the Internet: <URL: http://www.tigr.org/ >. (1 pg.).
<i>JS</i>	Travis et al., "The Role of Bacterial and Host Proteinases in Periodontal Disease," <i>J. Adv. Exp. Med. Biol.</i> , 2000; 477:455-65.
<i>JS</i>	Travis, James. "Bacterial Proteinases in Periodontal," Grant Abstract, Grant Number 5R01DE09761-09 [online]. National Institute of Dental Research, August 1, 1991- Dec. 31, 2001 [retrieved on 2000-11-08]. Retrieved from the Internet: <URL: http://commons.cit.nih.gov/crisp_lib.getdoc?textkey=6137915&p_query=&ticket+18301... >; 2 pgs.
<i>JS</i>	Travis, James "Bacterial Proteinases in Periodontal Disease," Grant Abstract, Grant Number 5R01DE009761-10 [online]. National Institute of Dental & Craniofacial Research, Aug. 1, 1991- Dec. 31, 2001 [retrieved on 2001-10-09]. Retrieved from the Internet: <URL: http://commons.cit.nih.gov.crisp3/crisp_lib.getdoc?textkey=6342385&p... >; 2 pgs.
<i>JS</i>	Vacheron et al., "Caractérisation d'une nouvelle endopeptidase spécifique des liaisons γ -D-glutamyl-L-lysine et γ -D-glutamyl-(L) <i>meso</i> -diaminopimélate de substrats peptidoglycaniques, chez <i>Bacillus spaericus</i> 9602 au cours de la sporulation," <i>Eur. J. Biochem.</i> , 1979; 100:189-96.

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EXAMINER <i>SWP</i>	Date Considered <i>10/18/02</i>
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